Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: METALUX

Report Number: P895373

Luminaire Tested: 8TMB-SC3-ASYMR-UNV-CC83-MID-3500K

Issue Date: 11/11/2024

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P895373
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2410-248-1)
Test Lab:	INNOVATION CENTER
Issue Date:	11/11/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	8TMB-SC3-ASYMR-UNV-CC83-MID-3500K
Description:	Selectable 8FT MICROBAY LINEAR BAY with ASYMMERIC REFLECTOR, 80CRI, 3500K CCT, MID setting
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8610.0 lumens
Efficiency:	N/A
Efficacy:	128.7 lumens/watt
Spacing Criteria (0/90/45):	1.18 / 1.28 / 1.25
Luminous Opening:	Rectangular (W 0.21' x L: 7.98' x H: 0')
CIE Type:	Direct

Input Watts (W):	66.9
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.9948
Total Harmonic Distortion (THDi):	5.65231997856897
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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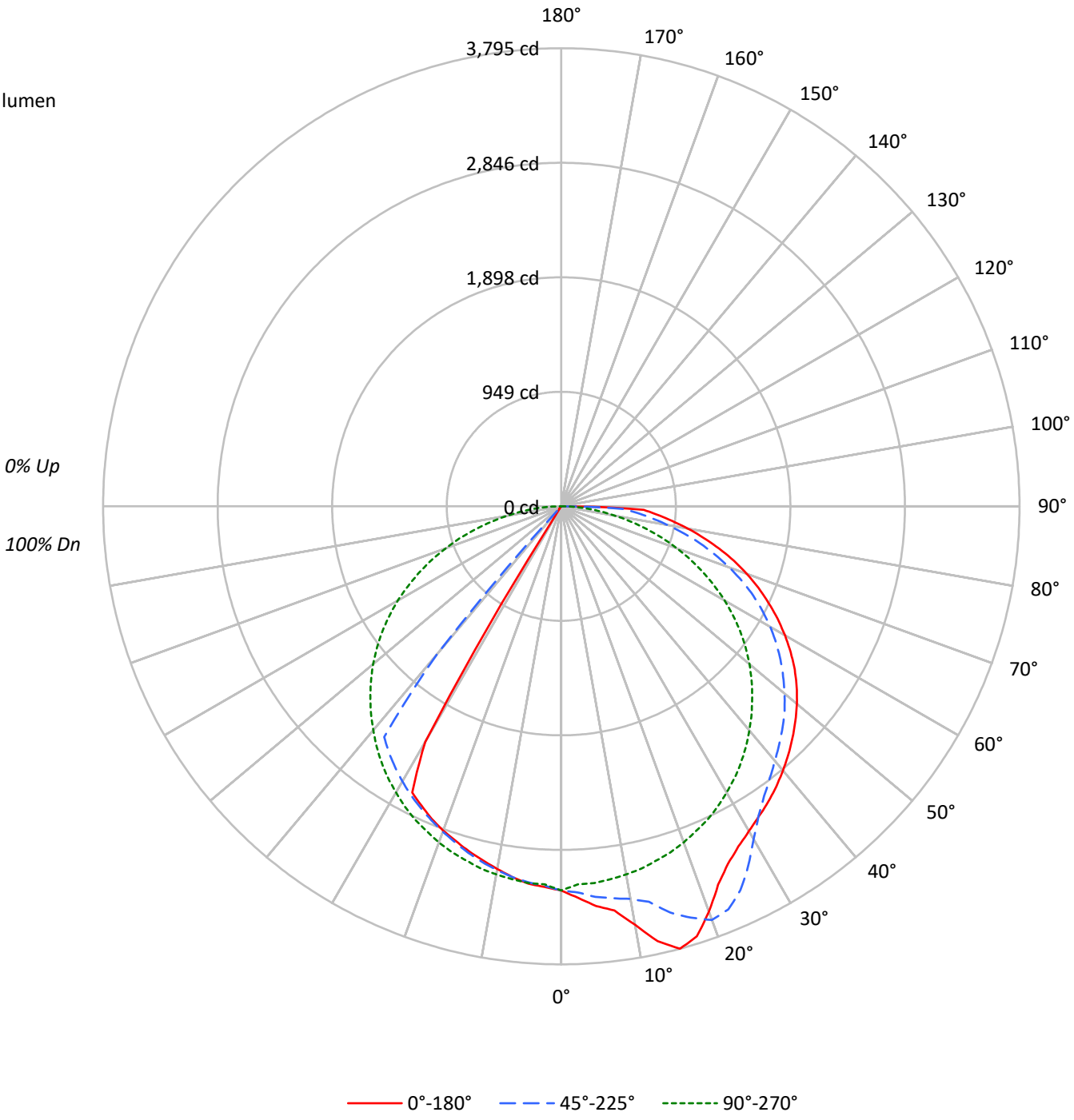
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	36	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	20607	20607	20607	20607	20607
5°	21609	21112	20366	20330	20401
10°	23154	21716	20361	20122	20061
15°	25439	23362	20368	19929	19831
20°	24629	25132	20422	19769	19706
25°	23336	25081	20471	19703	19560
30°	23235	23808	20470	19679	16844
35°	23629	23153	20503	19681	231
40°	24142	23264	20475	13573	154
45°	24803	23735	20479	250	100
50°	25669	24329	20491	183	36
55°	26647	25021	20433	123	20
60°	27711	25871	20253	47	23
65°	29016	26894	19884	55	55
70°	30953	28021	19255	68	68
75°	33881	29823	18422	183	90
80°	39759	33371	17060	272	134
85°	59178	46852	15981	409	267

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 87.5°
Luminance: 101468 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.0	3.5
10°-20°	910.5	10.6
20°-30°	1399.6	16.3
30°-40°	1499.9	17.4
40°-50°	1362.2	15.8
50°-60°	1242.6	14.4
60°-70°	924.4	10.7
70°-80°	650.6	7.6
80°-90°	315.2	3.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2615.0	30.4
0°-40°	4114.9	47.8
0°-60°	6719.8	78.0
0°-90°	8610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8610.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3182	3182	3182	3182	3182	
5°	3324	3248	3133	3128	3138	322
15°	3795	3485	3038	2973	2958	1048
25°	3266	3510	2865	2758	2738	1519
35°	2989	2929	2594	2490	29	1872
45°	2708	2592	2236	27	11	2093
55°	2360	2216	1810	11	2	2108
65°	1894	1755	1298	4	4	1875
75°	1354	1192	736	7	4	1428
85°	796	631	215	6	4	800
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	*3182.3*	3182.3	3182.3	3182.3	3182.3	3182.3	3182.3	3182.3	3182.3
2.5°	*3247.9*	3211.4	3202.3	3227.8	3134.9	3196.9	3145.8	3156.8	3156.8
5°	*3324.4*	3273.4	3247.9	3240.6	3133.1	3175.0	3127.6	3127.6	3138.5
7.5°	*3377.3*	3320.8	3275.2	3257.0	3116.7	3153.1	3098.4	3098.4	3098.4
10°	*3521.3*	3415.6	3302.6	3269.8	3096.6	3124.0	3060.2	3063.8	3051.0
12.5°	*3690.8*	3596.0	3355.4	3264.3	3074.7	3087.5	3020.1	3018.2	3003.7
15°	*3794.7*	*3723.6*	*3484.8*	*3257.0*	*3038.3*	*3049.2*	*2972.7*	*2967.2*	*2958.1*
17.5°	*3736.3*	3725.4	3574.1	3251.5	3005.5	2996.4	2919.8	2914.4	2907.1
20°	*3574.1*	3601.5	3647.0	3240.6	2963.6	2945.3	2868.8	2865.1	2859.7
22.5°	*3393.7*	3421.0	3614.2	3258.8	2912.5	2890.7	2814.1	2810.5	2803.2
25°	*3266.1*	3266.1	3510.3	3302.6	2865.1	2825.0	2757.6	2752.1	2737.6
27.5°	*3176.8*	3160.4	3355.4	3351.8	2805.0	2759.4	2697.5	2692.0	2673.8
30°	*3107.5*	3080.2	3184.1	3375.5	2737.6	2688.3	2631.8	2626.4	2252.7
32.5°	*3045.6*	3016.4	3040.1	3395.5	2670.1	2611.8	2562.6	1828.1	80.2
35°	*2989.1*	2956.3	2928.9	3380.9	2593.6	2535.2	2489.7	52.9	29.2
37.5°	*2925.3*	2899.8	2837.8	3304.4	2511.6	2453.2	2409.5	29.2	25.5
40°	*2856.0*	2832.3	2752.1	3191.4	2422.2	2373.0	1605.7	25.5	18.2
42.5°	*2784.9*	2766.7	2671.9	3027.4	2332.9	2283.7	51.0	20.0	14.6
45°	*2708.4*	2692.0	2591.8	2828.7	2236.3	2190.8	27.3	14.6	10.9
47.5°	*2630.0*	2606.3	2507.9	2615.4	2137.9	2092.4	23.7	10.9	7.3
50°	*2548.0*	2522.5	2415.0	2427.7	2034.0	1988.5	18.2	7.3	3.6
52.5°	*2456.9*	2425.9	2316.5	2258.2	1924.7	1882.8	14.6	3.6	1.8
55°	*2360.3*	2325.6	2216.3	2110.6	1809.9	1762.5	10.9	3.6	1.8
57.5°	*2252.7*	2214.5	2110.6	1970.2	1687.7	1192.0	7.3	3.6	1.8
60°	*2139.7*	2101.5	1997.6	1839.0	1563.8	82.0	3.6	3.6	1.8
62.5°	*2019.5*	1979.4	1879.1	1706.0	1430.7	67.4	3.6	3.6	3.6
65°	*1893.7*	1846.3	1755.2	1569.3	1297.7	56.5	3.6	3.6	3.6
67.5°	*1767.9*	1707.8	1622.1	1428.9	1161.0	47.4	3.6	3.6	3.6
70°	*1634.9*	1569.3	1480.0	1286.8	1017.0	38.3	3.6	3.6	3.6
72.5°	*1498.2*	1434.4	1337.8	1142.8	882.1	29.2	3.6	3.6	3.6
75°	*1354.2*	1295.9	1192.0	998.8	736.3	21.9	7.3	3.6	3.6
77.5°	*1204.7*	1159.2	1042.5	851.2	594.2	14.6	7.3	3.6	3.6
80°	*1066.2*	1015.2	894.9	701.7	457.5	10.9	7.3	5.5	3.6
82.5°	*924.1*	878.5	758.2	565.0	328.1	9.1	7.3	5.5	3.6
85°	*796.5*	752.7	630.6	441.1	215.1	7.3	5.5	5.5	3.6
87.5°	*683.5*	643.4	523.1	322.6	122.1	5.5	5.5	5.5	3.6
90°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)